


GENERAL INFORMATION		
Name of the public building renovation	Saint-Bruno school	
Building Good Practice number (example BGP n°1 – Bordeaux)	BGP n°3 – Bordeaux	
Historical building sub-group		
Description		
	Address	Place du 11 Novembre – 33 000 Bordeaux - France
	Public sector contractor	Bordeaux municipality
	Architect	No (internal monitoring)
	Engineering consulting	
	Date of construction	Before 1900
	Legal aspects (e.g.: level of protection of building)	Unesco World heritage classified + situated in the national area of restoration and enhancement of heritage.
	Date of renovation	2010-2011
	Nature of the work (short description)	roof insulation (glass wool – 240 mm) thermostatic taps (impregnable locking mechanism) change of heating contract (profit-sharing on energy price)
	Budget and source of financemnt	55 000 €

AVAILABLE RESULTS	
What were the big problems (in terms of energy efficiency) to tackle?	After the drain of heating systems, a purge has to be done.
Has this building been already analysed and certified?	No
What are the key innovative energy efficiency measures undertaken through the renovation?	
What are the measurable improvements in terms of energy efficiency in electricity and heating (kWh saved)? <ul style="list-style-type: none"> • kWh saved, kWh before/after, kWh given in the studies/real kWh • carbonated energy kWh substituted by REN • kg CO2 saved 	On gas consumptions (heating) : <ul style="list-style-type: none"> ➤ before : 89 Wh/m².DJU (unified degree days) ➤ after : 78 Wh/m².DJU i.e., 12% energy saving.

ENERGY EFFICIENT MEASURES	
Energy efficient measures of the building envelope	
Energy efficient measures of the heating system	
Energy efficient measures of monitoring energy	
Energy efficient measures regarding behaviour	
Stakeholders' involvement in the energy efficient measures	No
Others?	

SUSTAINABILITY OF THE RENOVATION	
Design and choice of sustainable materials?	
Sustainable building site management?	

(sorting waste, water...)	
<p>Application of a valuation method (BREAM? HQE? Others?)</p> <p>Carrying out consultation process with dwellers? Concerted choice on the work program? Which external partners?</p>	

BUILDING MAINTENANCE: life of the building after the renovation	
Is the building following an energy monitoring? Is there a responsible manager?	Energy consumptions monitoring by the energy service of the municipality, once per month.
Who is in charge of the maintenance of the heating system of the building?	
Who is in charge of the day to day energy management?	
Are there some specific measures to raise energy awareness and to implicate users in energy efficiency?	

FUNDING	
What is the financing plan?	
Innovative or specific aspects in the method of financing (European funds or loan, energy performance contract,...)	Energy Saving Certificates (CEE in French) on roof insulation and thermostatic taps: 4 433 000 kWh cumac, i.e. around 18 660 € recovered.
<p>What is the balanced budget for each stakeholder</p> <ul style="list-style-type: none"> • Energy costs for tenant before /after • Increase in the rent 	
Is there any specific economical indicators (payback time on investment, global cost, ...)	

TRANSFERABILITY	
Transferable aspects according to the partner in charge of this example of good	Transferability of planning (forming a partnership, choosing priorities, setting up a renovation building teams, etc.)?

practice	Transferability of the process of renovation (management structure, monitoring system, implication of end users, participation, etc.) ?
	Transferability of results (good solutions, adaptability, change of behaviour, etc.)?
Transferable aspects according to all the partners of Serpente project	The other partners will analyse and validate these good practices. During the process of validation, the partners will take on the role of auditors because they will assess and improve the effectiveness and portability of good practices in their context.
	The validation process will promote a systemic approach in local competent public administrations. Moreover, this process of selection and validation is a peer review and entails the mutual role of experts and auditors depending on typology of buildings and partner's expertise.

SOURCES	
Publications	
Website	
Interviews	Remy SPIEWAK (Bordeaux town council) (26/10/12)